

**To:** Brobst, Bob[Brobst.Bob@epa.gov]  
**From:** Kady, Thomas  
**Sent:** Thur 8/13/2015 8:00:47 PM  
**Subject:** RE: Gold King Water Treatment

I think EVOQUA is your best bet. On the phone with them now. Could be up and running by Mon/Tue/Wed of next week.

Will call you as soon as I off the phone

**From:** Brobst, Bob  
**Sent:** Thursday, August 13, 2015 3:26 PM  
**To:** Kady, Thomas  
**Subject:** FW: Gold King Water Treatment

Tom here is some additional influent data.

Jan is with Weston and working with us

Bob

Robert B. Brobst, P.E.

Senior Environmental Engineer

U.S. E.P.A. Region 8

1595 Wynkoop Street

Denver Colorado

303-312-6129 (office)

**“It is a capital mistake to theorize before one has data. Insensible one begins to twist facts to suit theories, instead of theories to suit facts.” Arthur Conan Doyle’s A Scandal in Bohemia (1891)**

**“ The Good thing about science is that it’s true whether or not you believe in it.” Neil deGrasse Tyson**

**From:** Christner, Jan [<mailto:Jan.Christner@WestonSolutions.com>]  
**Sent:** Thursday, August 13, 2015 1:22 PM  
**To:** Way, Steven; Brobst, Bob  
**Subject:** RE: Gold King Water Treatment

Bob,

Attached is the 2009-2015 data from the Gold King Mine. All data is pre-treatment. Non-detects are highlighted and the detection limit is shown. The sheet shows all data, runoff data, and non-runoff data with average, min, and max for each. Concentrations are in ug/L except for hardness. Blanks are where there is no data for a particular analyte during a particular sampling event.

Regarding your subsequent e-mail, aluminum may also be a problem, but you’d know better than me.

I’m checking on any post-event sampling and results. I would almost guarantee the chemistry has changed.

Please let me know if you need more information.

Jan

Jan Christner

Weston Solutions, Inc.

505-269-1925 (cell)

**From:** Way, Steven [<mailto:way.steven@epa.gov>]

**Sent:** Thursday, August 13, 2015 12:44 PM

**To:** Brobst, Bob

**Cc:** Christner, Jan

**Subject:** RE: Gold King Water Treatment

Please make sure that there is a good record as to our process, tech conclusions and those who participated.

Also, coordinate with Jan. She has access to all the data

Steven Way

Federal On-Scene Coordinator

Emergency Response Unit

US EPA - Region 8

1595 Wynkoop Street

Denver, CO 80202

Office: 303-312-6723

**From:** Brobst, Bob  
**Sent:** Thursday, August 13, 2015 12:40 PM  
**To:** Way, Steven; Griswold, Hays; Peronard, Paul  
**Cc:** Kady, Thomas; Ackerman, Joyce  
**Subject:** Gold King Water Treatment

Steve, Hays, Paul

I have started to look and have contacted Tom Kady ERT Edison NJ for assistance. Tom is to get back to me with some recommendations and or possibilities as soon as possible. As soon as we have flushed out some ideas and sources I will let you know. Hopefully sooner rather than later. In the meantime for your reading pleasure you can download the document below.

Below is a 2014 reference guide for treatment of mine influenced waters.

Control plus click to follow the link YES the link is that large (one link multiline)

[http://nepis.epa.gov/Exec/ZyNET.exe/P100I4PB.TXT?ZyActionD=ZyDocument&Client=EPA&Index=2011+Th  
&MaximumDocuments=1&FuzzyDegree=0&ImageQuality=r75g8/r75g8/x150y150g16/i425&Display=p%7Cf&](http://nepis.epa.gov/Exec/ZyNET.exe/P100I4PB.TXT?ZyActionD=ZyDocument&Client=EPA&Index=2011+Th&MaximumDocuments=1&FuzzyDegree=0&ImageQuality=r75g8/r75g8/x150y150g16/i425&Display=p%7Cf&)

I will be out this weekend but can be reached by cell and will have my computer with me. The only time the phone will be out of service is during flight times (Fri 1100-1300 MDT and Sun 1400-1630) and Nonresponsive Discussion of Personal Matters/Ex. 6 (Sat ?).

Bob

Robert B. Brobst, P.E.

Senior Environmental Engineer

U.S. E.P.A. Region 8

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**Personal Phone/Ex. 6**

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